BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drains in Venkatala Janatha Colony, Marutinagara SC-ST areas and Surrounding Areas in Ward no.01 Yelahanka Sub Division

Measurements Taken On :

ABSTRACT OF MEASUREMENT SHEET - 1st and FINAL BILL

Item No	Description	Unit	Quantity	Approved Tender Rates	Amount	Remarks
Item No. 1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications.. and as per the directions of the Engineer-in-charge of the work .	Cum	39.87			
	present Qty	Cum	39.87			
	Previous Bill Qty	Cum	-			
	Total	Cum	39.87			
	Tender Qty	Cum	39.87			
	Now to be paid	Cum	39.87	660.22	26324.29	
Item No.02	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all liftsas per specifications. as per specifications.. and as per the directions of the Engineer-in-charge of the work .	Cum	277.41			
	present Qty	Cum	277.41			
	Previous Bill Qty	Cum	-			
	Total	Cum	277.41			
	Tender Qty	Cum	277.41			
	Now to be paid	Cum	277.41	441.86	122576.38	
Item No. 03	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	652.22			
	present Qty	Cum	652.22			
	Previous Bill Qty	Cum	-			
	Total	Cum	652.22			
	Tender Qty	Cum	652.22			
	Now to be paid	Cum	652.22	207.60	135401.29	

Contractor

CIVIL Pro Sig Date PMC BANGALORE

AssistantEngineer

Assistant Executive Engineer

Item No	Description	Unit	Quantity	Approved Tender Rates	Amount	Remarks
Item No. 04	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	80.72			
	present Qty	Cum	80.72			
	Previous Bill Qty	Cum	-			
	Total	Cum	80.72			
	Tender Qty	Cum	80.72			
	Now to be paid	Cum	80.72	2574.74	207833.01	
Item No. 05	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	103.23			
	present Qty	Cum	103.23			
	Previous Bill Qty	Cum	-			
	Total	Cum	103.23			
	Tender Qty	Cum	103.23			
	Now to be paid	Cum	103.23	5421.90	559686.47	
Item No. 06	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification and as per the directions of the Engineer-in-charge of the work .	Cum	317.33			
	present Qty	Cum	317.33			
	Previous Bill Qty	Cum	-			
	Total	Cum	317.33			
	Tender Qty	Cum	317.33			
	Now to be paid	Cum	317.33	7070.20	2243586.57	
Item No.07	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Tonne	27.30			

Contractor

CIVIL Pro Sig. Date BANGALORE

AssistantEngineer

A.E.E
Assistant Executive Engineer

Item No	Description	Unit	Quantity	Approved Tender Rates	Amount	Remarks
	present Qty	Tonne	27.30			
	Previous Bill Qty	Tonne	-			
	Total	Tonne	27.30			
	Tender Qty	Tonne	27.30			
	Now to be paid	Tonne	27.30	72326.98	1974653.69	
Item No.08	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. and as per the directions of the Engineer-in-charge of the work .	Sqm	359.10			
	present Qty	Sqm	359.10			
	Previous Bill Qty	Sqm	-			
	Total	Sqm	359.10			
	Tender Qty	Sqm	359.10			
	Now to be paid	Sqm	359.10	2337.00	839216.70	
Item No.09	Suply And Fixing precast concrete Slab 15cm thick including Cost Of reinforcement as per design and drawing materail cost transportation here Charge of Machinary cutting the vertical face to get plain even surface etc complete with all leads and lifts conveynce charges labour charges inclusive of cost of all materials and as per the directions of the Engineer-in-charge of the work .	Sqm	281.96			
	present Qty	Sqm	281.96			
	Previous Bill Qty	Sqm	-			
	Total	Sqm	281.96			
	Tender Qty	Sqm	281.96			
	Now to be paid	Sqm	281.96	2493.00	702913.82	
Item No.10	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.and as per the directions of the Engineer-in-charge of the work .	Sqm	30.78			
	present Qty	Sqm	30.78			
	Previous Bill Qty	Sqm	-			
	Total	Sqm	30.78			
	Tender Qty	Sqm	30.78			
	Now to be paid	Sqm	30.78	5418.00	166766.04	
Item No.11	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	859.58			
	present Qty	Cum	859.58			

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Date
BMC
BANGALORE

Contractor

AssistantEngineer

A.E.E
Assistant Executive Engineer

Item No	Description	Unit	Quantity	Approved Tender Rates	Amount	Remarks
	Previous Bill Qty	Cum	-			
	Total	Cum	859.58			
	Tender Qty	Cum	841.10			
	Now to be paid	Cum	859.58			
	Quantity Limited To	Cum	841.10	41.34	34771.07	
Item No.12	Compaction of original ground by mechanical means including gilling in depression occuring during rolling including cost of all labour,HOM complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	859.58			
	present Qty	Cum	859.58			
	Previous Bill Qty	Cum	-			
	Total	Cum	859.58			
	Tender Qty	Cum	841.10			
	Now to be paid	Cum	859.58			
	Quantity Limited to	Cum	841.10	6.36	5349.40	
Item No.13	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	128.94			
	present Qty	Cum	128.94			
	Previous Bill Qty	Cum	-			
	Total	Cum	128.94			
	Tender Qty	Cum	126.17			
	Now to be paid	Cum	128.94			
	Quantity Limited To	Cum	126.17	5408.12	682342.50	

Contractor

CIVIL Pro Sig Date BANGALORE

AssistantEngineer

A.E.E

Assistant Executive Engineer

Item No	Description	Unit	Quantity	Approved Tender Rates	Amount	Remarks
Item No.14	Cement concrete pavement.Construction of un-reinforced plain cement concrete for pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008.mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire charges of machineries,all lead and lift charges etc., complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	128.94			
	present Qty	Cum	128.94			
	Previous Bill Qty	Cum	-			
	Total	Cum	128.94			
	Tender Qty	Cum	126.17			
	Now to be paid	Cum	128.94			
	Quantity Limited To	Cum	126.17	5210.96	657466.82	
				Sub Total	8358888.05	
				Add GST @12%	1003066.57	
				Add KRIDL @ 4%	334355.52	
				TOTAL AMOUNT	9696310.14	

CIVIL Pro Sig Date RMC BANGALORE

Contractor

AssistantEngineer

A.E.E

Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Rate in RS.

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:mprovements to Roads and Drains in Venkatala Janatha Colony, Marutinagara SC-ST areas and Surrounding Areas in Ward no.01 Yelahanka Sub Division

Measurements Taken On :

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Remarks
Item No. 01		Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications.. and as per the directions of the Engineer-in-charge of the work .							
		Venkatala Janatha Colony (Buriyal ground)							
0	4.85		cum	1	4.85	1.4	0.1	0.68	
4.85	30		cum	1	25.15	1.4	0.1	3.52	
30	40.2		cum	1	10.2	1.4	0.1	1.43	
40.2	70.2		cum	1	30	1.4	0.1	4.20	
70.2	100.2		cum	1	30	1.4	0.1	4.20	
100	130.2		cum	1	30	1.4	0.1	4.20	
130	160.2		cum	1	30	1.4	0.1	4.20	
160	190		cum	1	29.8	1.4	0.1	4.17	
190	193		cum	1	3	1.4	0.1	0.42	
		Culvert	cum	1	10.2	1.4	0.9	12.85	
							Total	39.87	

Contactor

CIVIL Pro Sig Date PM BANGALORE

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Remarks
Item no.02		Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all liftsas per specifications. as per specifications.. and as per the directions of the Engineer-in-charge of the work .							
		Venkatala Janatha Colony (Buriyal							
0	4.85		cum	1	4.85	1.4	0.9	6.11	
4.85	30		cum	1	25.15	1.4	0.9	31.69	
30	40.2		cum	1	10.2	1.4	0.9	12.85	
40.2	70.2		cum	1	30	1.4	0.9	37.80	
70.2	100.2		cum	1	30	1.4	0.9	37.80	
100.2	130.2		cum	1	30	1.4	0.9	37.80	
130.2	160.2		cum	1	30	1.4	0.9	37.80	
160.2	190		cum	1	29.8	1.4	0.9	37.55	
190	193		cum	1	3	1.4	0.9	3.78	
		Ramanna house behind							
0	22.5		cum	1	22.5	0.7	0.6	9.45	
22.5	52.5		cum	1	30	0.7	0.6	12.60	
52.5	81.5		cum	1	29	0.7	0.6	12.18	
							Total	277.41	

CIVIL Pro BANGALORE Sig Date

Contactor

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Remarks
Item no 3		Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work .							
		For new drain							
		Venkatala Janatha Colony (Buriyal ground)							
0	4.85		cum	1	4.85	1.50	1.45	10.55	
4.85	30		cum	1	25.15	1.50	1.45	54.70	
30	40.2		cum	1	10.20	1.50	1.45	22.19	
40.2	70.2		cum	1	30.00	1.50	1.45	65.25	
70.2	100.2		cum	1	30.00	1.50	1.45	65.25	
100	130.2		cum	1	30.00	1.50	1.45	65.25	
130	160.2		cum	1	30.00	1.50	1.45	65.25	
160	190		cum	1	29.80	1.50	1.45	64.82	
190	193		cum	1	3.00	1.50	1.45	6.53	
		Ramanna house behind							
0	22.5		cum	1	22.5	1.4	1.45	45.68	
22.5	52.5		cum	1	30	1.4	1.45	60.90	
52.5	81.5		cum	1	29	1.4	1.45	58.87	
		CULVERT							
			cum	1	10.2	1.8	1.30	23.87	
			cum	1	6.9	1.8	1.30	16.15	
		Kere Kodi Road							
0	30		cum	1	30	1.4	1.25	52.50	
30	60		cum	1	30	1.4	1.25	52.50	
60	90		cum	1	30	1.4	1.25	52.50	
90	120		cum	1	30	1.4	1.25	52.50	
120	137		cum	1	17	1.4	1.25	29.75	
		2nd Main Road							
0	15		cum	2	15	1	1.25	37.50	
15	31		cum	2	16	1	1.25	40.00	
		Deduction							
		Culvert	cum	1	10.2	1.4	0.9	12.852	
		Venkatala Janatha Colony (Buriyal ground)							
0	4.85		cum	1	4.85	1.40	0.9	6.111	

Contactor

CIVIL Pro Sig Date PMC BANGALORE

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Remarks
4.85	30		cum	1	25.15	1.40	0.9	-31.689	
30	40.2		cum	1	10.2	1.40	0.9	-12.852	
40.2	70.2		cum	1	30	1.40	0.9	-37.8	
70.2	100.2		cum	1	30	1.40	0.9	-37.8	
100	130.2		cum	1	30	1.40	0.9	-37.8	
130	160.2		cum	1	30	1.40	0.9	-37.8	
160	190		cum	1	29.8	1.40	0.9	-37.548	
190	193		cum	1	3	1.40	0.9	-3.78	
		Ramanna house behind							
0	22.5		cum	1	22.5	0.7	0.6	-9.45	
22.5	52.5		cum	1	30	0.7	0.6	-12.6	
52.5	81.5		cum	1	29	0.7	0.6	-12.18	
							TOTAL	652.22	

Contactor

CIVIL Pro Sig Date PMC BANGALORE

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Remarks
Item no.4		Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. and as per the directions of the Engineer-in-charge of the work .							
		Venkatala Janatha Colony (Buriyal ground)							
0	4.85		cum	1	4.85	1.5	0.20	1.46	
4.85	30		cum	1	25.15	1.5	0.2	7.55	
30	40.2		cum	1	10.2	1.5	0.2	3.06	
40.2	70.2		cum	1	30	1.5	0.2	9.00	
70.2	100.2		cum	1	30	1.5	0.2	9.00	
100	130.2		cum	1	30	1.5	0.2	9.00	
130	160.2		cum	1	30	1.5	0.2	9.00	
160	190		cum	1	29.8	1.5	0.2	8.94	
190	193		cum	1	3	1.5	0.2	0.90	
		Ramanna house behind							
0	22.5		cum	1	22.5	1.4	0.2	6.3	
22.5	52.5		cum	1	30	1.4	0.2	8.4	
52.5	81.5		cum	1	29	1.4	0.2	8.12	
							TOTAL	80.72	

Contactor

CIVIL Pro Sig Date BANGALORE

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Remarks
Item no 05		Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work .							
		Venkatala Janatha Colony (Buriyal ground)							
0	4.85		cum	1	4.85	1.50	0.15	1.09	
4.85	30		cum	1	25.15	1.50	0.15	5.66	
30	40.2		cum	1	10.20	1.50	0.15	2.30	
40.2	70.2		cum	1	30.00	1.50	0.15	6.75	
70.2	100.2		cum	1	30.00	1.50	0.15	6.75	
100	130.2		cum	1	30.00	1.50	0.15	6.75	
130	160.2		cum	1	30.00	1.50	0.15	6.75	
160	190		cum	1	29.80	1.50	0.15	6.71	
190	193		cum	1	3.00	1.50	0.15	0.68	
		Ramanna house behind							
0	22.5		cum	1	22.5	1.4	0.15	4.73	
22.5	52.5		cum	1	30	1.4	0.15	6.30	
52.5	81.5		cum	1	29	1.4	0.15	6.09	
		culvert							
			cum	1	10.2	1.8	0.15	2.754	
			cum	1	6.9	1.8	0.15	1.863	
		Kere Kodi Road							
0	30		cum	1	30	1.4	0.15	6.3	
30	60		cum	1	30	1.4	0.15	6.3	
60	90		cum	1	30	1.4	0.15	6.3	
90	120		cum	1	30	1.4	0.15	6.3	
120	137		cum	1	17	1.4	0.15	3.57	
		2nd Main Road							
0	15		cum	2	15	1	0.15	4.5	
15	31		cum	2	16	1	0.15	4.8	
							TOTAL	103.23	

Contactor

CIVIL Pro Sig Date BANGALORE PMC

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Remarks
Item no 6		Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification and as per the directions of the Engineer-in-charge of the work .							
		Bottom Slab							
		Venkatala Janatha Colony (Buriyal ground)							
0	4.85		cum	1	4.85	1.50	0.20	1.46	
4.85	30		cum	1	25.15	1.50	0.20	7.55	
30	40.2		cum	1	10.20	1.50	0.20	3.06	
40.2	70.2		cum	1	30.00	1.50	0.20	9.00	
70.2	100.2		cum	1	30.00	1.50	0.20	9.00	
100	130.2		cum	1	30.00	1.50	0.20	9.00	
130	160.2		cum	1	30.00	1.50	0.20	9.00	
160	190		cum	1	29.80	1.50	0.20	8.94	
190	193		cum	1	3.00	1.50	0.20	0.90	
		Ramanna house behind							
0	22.5		cum	1	22.50	1.40	0.20	6.30	
22.5	52.5		cum	1	30.00	1.40	0.20	8.40	
52.5	81.5		cum	1	29.00	1.40	0.20	8.12	
		Kere Kodi Road							
0	30		cum	1	30.00	1.40	0.20	8.40	
30	60		cum	1	30.00	1.40	0.20	8.40	
60	90		cum	1	30.00	1.40	0.20	8.40	
90	120		cum	1	30.00	1.40	0.20	8.40	
120	137		cum	1	17.00	1.40	0.20	4.76	
		2nd Main Road							
0	15		cum	2	15.00	1.00	0.20	6.00	
15	31		cum	2	16.00	1.00	0.20	6.40	
		Side walls							
		Venkatala Janatha Colony							
0	4.85		cum	2	4.85	0.20	0.90	1.75	
4.85	30		cum	2	25.15	0.20	0.90	9.05	
30	40.2		cum	2	10.20	0.20	0.90	3.67	
40.2	70.2		cum	2	30.00	0.20	0.90	10.80	
70.2	100.2		cum	2	30.00	0.20	0.90	10.80	

CIVIL Pvt. Sig. Date PMC BANGALORE

Contactor

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Remarks
100	130.2		cum	2	30.00	0.20	0.90	10.80	
130	160.2		cum	2	30.00	0.20	0.90	10.80	
160	190		cum	2	29.80	0.20	0.90	10.73	
190	193		cum	2	3.00	0.20	0.90	1.08	
		Ramanna house behind							
0	22.5		cum	2	22.50	0.20	0.90	8.10	
22.5	52.5		cum	2	30.00	0.20	0.90	10.80	
52.5	81.5		cum	2	29.00	0.20	0.90	10.44	
		Kere Kodi Road							
0	30		cum	2	30.00	0.20	0.90	10.80	
30	60		cum	2	30.00	0.20	0.90	10.80	
60	90		cum	2	30.00	0.20	0.90	10.80	
90	120		cum	2	30.00	0.20	0.90	10.80	
120	137		cum	2	17.00	0.20	0.90	6.12	
		2nd Main Road							
0	15		cum	4	15.00	0.20	0.90	10.80	
15	31		cum	4	16.00	0.20	0.90	11.52	
		CULVERT							
		Bottom slab							
				1	10.20	1.80	0.25	4.59	
				1	6.90	1.80	0.25	3.11	
		Side wall							
				2	10.20	0.25	0.90	4.59	
				2	6.90	0.25	0.90	3.11	
							TOTAL	**317.33**	

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Contactor

Assistant Engineer

A.E.E

Assistant Executive Engineer

Sl NO	Description	Nos	BAR DIA mm	No. Bars	Total No. bars	Length m	Total Length m	Weight kg/m	Total weight Kg's
Item no.07	**Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.**								
	Venkatala Janatha Colony (Buriyal ground)								
	Main Bars (#10@100 c/c)	2	10	1931	3862	3.50	13517.00	0.616538	8333.74
	Distribution(20-#8)	2	8	20	40	193.00	7720.00	0.394584	3046.19
	Ramanna house behind								
	Main Bars (#10@100 c/c)	2	10	816	1632	3.40	5548.80	0.616538	3421.04
	Distribution(20-#8)	2	8	20	40	81.50	3260.00	0.394584	1286.34
	Kere Kodi Road								
	Main Bars (#10@100 c/c)	2	10	1001	2002	3.40	6806.80	0.616538	4196.65
	Distribution(20-#8)	2	8	20	40	100.00	4000.00	0.394584	1578.34
	2nd Main Road								
	Main Bars (#10@100 c/c)	4	10	311	1244	3.00	3732.00	0.616538	2300.92
	Distribution(20-#8)	4	8	20	80	31.00	2480.00	0.394584	978.57
	Culvert								
	side wall								
	Main Bars outer face (#16@100 c/c)	1	16	103	103	4.10	422.30	1.578336	666.53
	Main Bars inner face (#16@100 c/c)	1	16	103	103	3.60	370.80	1.578336	585.25
	Distribution								
	side walls(17#12)	2	12	17	34	1.15	39.10	0.887814	34.71
	bottom slab(17-#12)	1	12	17	17	1.80	30.60	0.887814	27.17
	side wall								
	Main Bars outer face (#16@100 c/c)	1	16	70	70	4.10	287.00	1.578336	452.98
	Main Bars inner face (#16@100 c/c)	1	16	70	70	3.00	210.00	1.578336	331.45
	Distribution	1							
	side walls(17#12)	2	12	17	34	1.15	39.10	0.887814	34.71
	bottom slab(17-#12)	1	12	17	17	1.80	30.60	0.887814	27.17
								TOTAL QTY IN KG'S	**27301.76**
								TOTAL QTY IN TONNE	**27.30**

CIVIL Pro Sig Date PM BANGALORE

Contractor

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Remarks
Item no 08		Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. and as per the directions of the Engineer-in-charge of the work .							
		Ramanna house behind							
0	22.5		sqm	1	22.5	1.2		27.00	
22.5	52.5		sqm	1	30	1.2		36.00	
52.5	81.5		sqm	1	29	1.2		34.80	
		Kere Kodi Road							
0	30		sqm	1	30	1.5		45.00	
30	60		sqm	1	30	1.5		45.00	
60	90		sqm	1	30	1.5		45.00	
90	120		sqm	1	30	1.5		45.00	
120	137		sqm	1	17	1.5		25.50	
		2nd Main Road							
0	15		sqm	2	15	0.9		27.00	
15	31		sqm	2	16	0.9		28.80	
							TOTAL	359.10	

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20/01/2020

CIVIL Pro Sig Date BANGALORE

Contactor

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Remarks
Item no 09		Suply And Fixing precast concrete Slab 15cm thick including Cost Of reinforcement as per design and drawing materail cost transportation here Charge of Machinary cutting the vertical face to get plain even surface etc complete with all leads and lifts conveynce charges labour charges inclusive of cost of all materials and as per the directions of the Engineer-in-charge of the work .							
		Venkatala Janatha Colony							
0	4.85		sqm	1	4.85	1.50		7.28	
4.85	30		sqm	1	25.15	1.20		30.18	
30	40.2		sqm	1	10.20	1.50		15.30	
40.2	70.2		sqm	1	30.00	1.50		45.00	
70.2	100.2		sqm	1	30.00	1.50		45.00	
100	130.2		sqm	1	30.00	1.50		45.00	
130	160.2		sqm	1	30.00	1.50		45.00	
160	190		sqm	1	29.80	1.50		44.70	
190	193		sqm	1	3.00	1.50		4.50	
							TOTAL	281.96	

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20/01/2020

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CIVIL Pro Sig Date PMC BANGALORE

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Remarks
Item no 10		Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.and as per the directions of the Engineer-in-charge of the work .							
		CULVERT							
		Cover slab							
			sqm	1	10.20	1.80		18.36	
			sqm	1	6.90	1.80		12.42	
							TOTAL	30.78	

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Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Remarks
Item no 11		**Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. and as per the directions of the Engineer-in-charge of the work .**							
		Near corporator house							
0	30		sqm	1	30.00	3.23		96.75	
30	33.4		sqm	1	3.4	3.2		10.88	
33.4	48.4		sqm	1	15	5.7		85.50	
48.4	63.4		sqm	1	15	5.3		79.50	
63.4	78.4		sqm	1	15	4.6		69.00	
78.4	93.4		sqm	1	15	4.4		66.00	
93.4	98.5		sqm	1	5.1	4.53		23.08	
98.5	105.7		sqm	1	7.2	4.5		32.40	
106	124.7		sqm	1	19	4.15		78.85	
125	130.2		sqm	1	5.5	4.43		24.34	
130	134		sqm	1	3.8	5.5		20.90	
		Cross Road							
0	19.6		sqm	1	19.6	4.05		79.38	
		In Front of Shankrappa house							
0	9		sqm	1	9	2.65		23.85	
9	24		sqm	1	15	2.65		39.75	
24	26		sqm	1	2	2.7		5.40	
		2nd main road							
0	15		sqm	1	15	4		60.00	
15	31		sqm	1	16	4		64.00	
							TOTAL	**859.58**	
							Quantity Limited To	**841.10**	

CIVIL Pro Sig Date BANGALORE PMC

Contactor

Assistant Engineer

Assistant Executive Engineer

A.E.E

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Remarks
Item no 12		Compaction of original ground by mechanical means including gilling in depression occuring during rolling including cost of all labour,HOM complete as per specifications. and as per the directions of the Engineer-in-charge of the work .							
		Near corporator house							
0	30		sqm	1	30	3.23		96.75	
30	33.4		sqm	1	3.4	3.2		10.88	
33.4	48.4		sqm	1	15	5.7		85.50	
48.4	63.4		sqm	1	15	5.3		79.50	
63.4	78.4		sqm	1	15	4.6		69.00	
78.4	93.4		sqm	1	15	4.4		66.00	
93.4	98.5		sqm	1	5.1	4.525		23.08	
98.5	105.7		sqm	1	7.2	4.5		32.40	
106	124.7		sqm	1	19	4.15		78.85	
125	130.2		sqm	1	5.5	4.425		24.34	
130	134		sqm	1	3.8	5.5		20.90	
		Cross Road							
0	19.6		sqm	1	19.6	4.05		79.38	
		In Front of Shankrappa house							
0	9		sqm	1	9	2.65		23.85	
9	24		sqm	1	15	2.65		39.75	
24	26		sqm	1	2	2.7		5.40	
		2nd main road							
0	15		sqm	1	15	4		60.00	
15	31		sqm	1	16	4		64.00	
							TOTAL	**859.58**	
							Quantity Limited To	**841.10**	

CIVIL Pro Sq Date BANGALORE

Contactor

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Remarks
Item no 13		Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work .							
		Near corporator house							
0	30		cum	1	30	3.23	0.15	14.51	
30	33.4		cum	1	3.4	3.2	0.15	1.63	
33.4	48.4	**corporator house**	cum	1	15	5.7	0.15	12.83	
48.4	63.4		cum	1	15	5.3	0.15	11.93	
		SLN Provision							
63.4	78.4	**store**	cum	1	15	4.6	0.15	10.35	
78.4	93.4		cum	1	15	4.4	0.15	9.90	
93.4	98.5		cum	1	5.1	4.525	0.15	3.46	
98.5	105.7		cum	1	7.2	4.5	0.15	4.86	
		Praveen mens wear							
106	124.7		cum	1	19	4.15	0.15	11.83	
125	130.2	**Abhaya maha ganapathi temple area**	cum	1	5.5	4.425	0.15	3.65	
130	134		cum	1	3.8	5.5	0.15	3.14	
		Cross Road							
0	19.6		cum	1	19.6	4.05	0.15	11.91	
		In Front of Shankrappa house							
0	9		cum	1	9	2.65	0.15	3.58	
9	24		cum	1	15	2.65	0.15	5.96	
24	26		cum	1	2	2.7	0.15	0.81	
		2nd main road							
0	15		cum	1	15	4	0.15	9.00	
15	31		cum	1	16	4	0.15	9.60	
							TOTAL	128.94	
							Quantity Limited To	126.17	

Contactor

CIVIL Pro Sig Date BMC BANGALORE

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Remarks
Item no 14		**Cement concrete pavement.Construction of un-reinforced plain cement concrete for pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008.mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire charges of machineries,all lead and lift charges etc., complete as per specifications. and as per the directions of the Engineer-in-charge of the work .**							
		Near corporator house							
0	30		cum	1	30.00	3.23	0.150	14.51	
30	33.4		cum	1	3.40	3.20	0.150	1.63	
33.4	48.4	corporator house	cum	1	15.00	5.70	0.150	12.83	
48.4	63.4		cum	1	15.00	5.30	0.150	11.93	
63.4	78.4	SLN Provision store	cum	1	15.00	4.60	0.150	10.35	
78.4	93.4		cum	1	15.00	4.40	0.150	9.90	
93.4	98.5		cum	1	5.10	4.53	0.150	3.46	
98.5	105.7		cum	1	7.20	4.50	0.150	4.86	
106	124.7	Praveen mens wear	cum	1	19.00	4.15	0.150	11.83	
125	130.2	Abhaya maha ganapathi temple area	cum	1	5.50	4.43	0.150	3.65	
130	134		cum	1	3.80	5.50	0.150	3.14	
		Cross Road							
0	19.6		cum	1	19.60	4.05	0.150	11.91	

Contactor

CIVIL Pro Sig Date PMC BANGALORE

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Remarks
		In Front of Shankrappa house							
0	9		cum	1	9.00	2.65	0.150	3.58	
9	24		cum	1	15.00	2.65	0.150	5.96	
24	26		cum	1	2.00	2.70	0.150	0.81	
		2nd main road							
0	15		cum	1	15.00	4.00	0.150	9.00	
15	31		cum	1	16.00	4.00	0.150	9.60	
							TOTAL	**128.94**	
							Quantity Limited To	**126.17**	

CIVIL Pro Sig Date PMC BANGALORE

Contactor

Assistant Engineer

A.E.E

Assistant Executive Engineer